Work Order ID 105620

Thursday, August 08, 2013 2:36:38 PM

105620

Page 1

Item ID: Revision ID: Item Name:	D3121-241 Bearing Asser	nbly	A	Accept	*N900	<u>)</u> 040	100)* s	Setup Start Stop	*N:	S1* S2*
Start Date: Required Date Reference:	8/8/2013 : 8/22/2013	Start Qty: 60.00 Req'd Qty: 60.00	*60* *60*		Cust Item Customer					14.	12
Approvals:	Process Pla	 MLD	Date: 13-08-09	Tooling: SPC (Y/N):	•	Date: Date:	-	R	Run Start Stop	" V	₹1 *
Sequence ID/ Work Center I	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	-	Reject Number	Insp. Stamp
Draw Nbr D3121	Rev Rev	vision Nbr									
100		Hardinge CNC LATHE	SMALL	0.00	29.	3. F.	 12	66	4		
Hardinge Hardinge CNC Lat	he Small	Memo 1-Turn D312	21-25 Cap as per Folio FA38	0.00 372-Deburr							
*110 *110*		QC2- Inspect parts off m	achine FAI/FAIB	0.00	2D	13 - P	. 17	66	þ		
QC Quality Control		Memo		0.00	- (W.	¹ .	٠	-
120		QC8- Inspect parts - seco	and check	0.00	DAS \	las lu	2				
120 QC Quality Control		Мето		0.00	9-89	1/80\c	_	66	Ø		

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0.00

Quality Control

150

Packaging

Packaging

150

Identify as per dwg & Stock Location: ST23

Memo

13-04-09

67

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Thursday, August 08, 2013 2:36:38 PM

Page 3

Item ID:

D3121-241

Bearing Assembly

Start Date: 8/8/2013 Required Date: 8/22/2013

Start Oty: 60.00 Req'd Qty: 60.00

Cust Item ID:

Customer:

Tool ID

Reference:

Revision ID:

Item Name:

Approvals:

Process Plan:

Date:

Date:

Tooling:

Accept

SPC (Y/N):

Date:

Date:

Tool # Plan

Code

N900040100

Run

Qty

Setup Start

Stop

Stop

Sequence ID/ Work Center ID Operation Description

OC21- Final Inspection - Work Order Release

Set Up/ **Run Hours**

0.00

160

QC

160

Memo

Accept

Qty

Reject Reject

Insp.

Number Stamp

Quality Control

0.00

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Picklist Print

Thursday, August 08, 2013 2:36:42 PM

Work Order ID: 105620

Parent Item:

D3121-241

Parent Item Name: Bearing Assembly

105620

D3121-241

Start Date: 8/8/2013

Required Date: 8/22/2013

Start Qty: 60.00

Required Qty: 60.00

Comments:

IPP Rev:A04.02.18New issueKJ/DS

IPP Rev:B ECN 1060 07-11-12 DD verified by:EC

' Manufactured

No

Component Item ID/ Item Name	Replacement Item 1D	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MDELRINRI.000		Purchased	No			100	f .	15.3900	0.052	3.12			
MDELDIN	D1 000	١ .							**				

MDFI RINR1 000 Delrin Round Bar I"

Location	<u>1</u>	oc Qty	Loc Code
MAT018		15.39	
(12525)	,	15.39	
₩".	130	Each	25.0000

Bearing

D3121-23

Location	Loc Qty	Loc Code
ST	11	
102140	, H	
ST235	14	
66734	10	•
75084	2	
99000	2	

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DART AEROSPACE LTD	Work Order: 1056 7.0
Description:	Part Number:
Inspection Dwg: Rev:	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
. 315	+/010	. 313			P9.03	
	+/00/	. 270				
1.000	+/010	1.000				
- 838	1/002	F3F				
-878 -865 12.067 R.010	7/ 00/	. 845				
12.067	+/- 1001	.067				
R.010	4/010	-005				

			- 2AC		
Measured by:	20	Audited by:	40	Preliminary Approval:	
Date:	13.F.12	Date:	13/08/12	Date:	

Rev	Date	Change	Revised by	Approved
E	10.04.14	Added preliminary approval	KJ	

A 10.04.15

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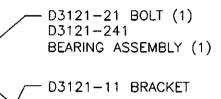


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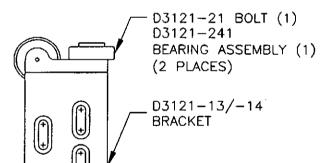
DESIGN DRAWN BY		DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHEC	(ED	APPROVED	DRAWING NO. REV. E D3121 SHEET 1 OF 10		
DATE			TITLE SCALE		
07.1	1.07		BRACKET ASSEMBLY 1:2		
Α		02.04.15	NEW ISSUE		
В		03.01.16	ADD RIDGES; ADD MAT'L PROP; FIX P/N ADD -141/-143/-144/-145/-146		
С		04.02.17	ADD CLEARANCE; USE -241 BEARING		
D		06.05.17	D3121-25 CAP WAS 1.024, NOW 1.000		
Ε		07.11.07	ADD TOLERANCE TO 0.032 (DETAIL B)		





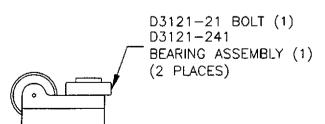
D3121-041 BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-33)



D3121-043 (SHOWN) / D3121-044 (OPPOSITE)
BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-37/-38)



D3121-15/-16 BRACKET

JS626 MJ

D3121-045 (SHOWN) / D3121-046 (OPPOSITE)
BRACKET ASSEMBLY

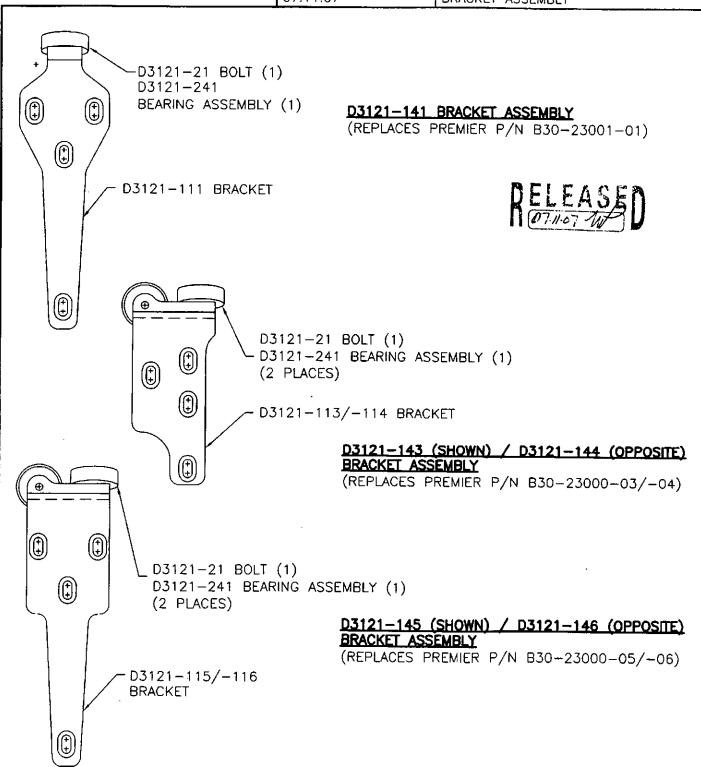
(REPLACES PREMIÉR P/N B30-23000-35/-36)

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#	-	D3121	SHEET 2 OF 10
DATE		TITLE	SCALE
07.11.07		BRACKET ASSEMBLY	1:2



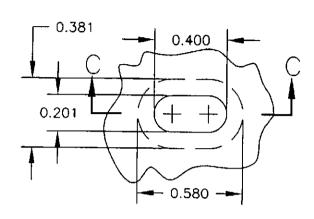
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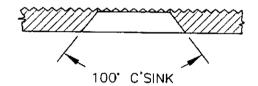
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i	4	-	D3121	SHEET 3 OF 10
	DATE		TITLE	SCALE
	07.11.07		BRACKET ASSEMBLY	1:1

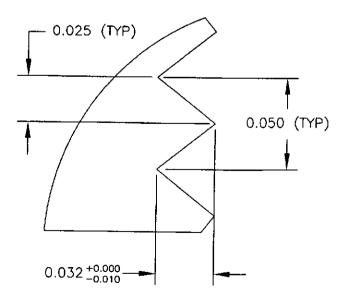
DETAIL A: SLOT DETAIL SCALE 2:1 VIEW ROTATED





SECTION C-C

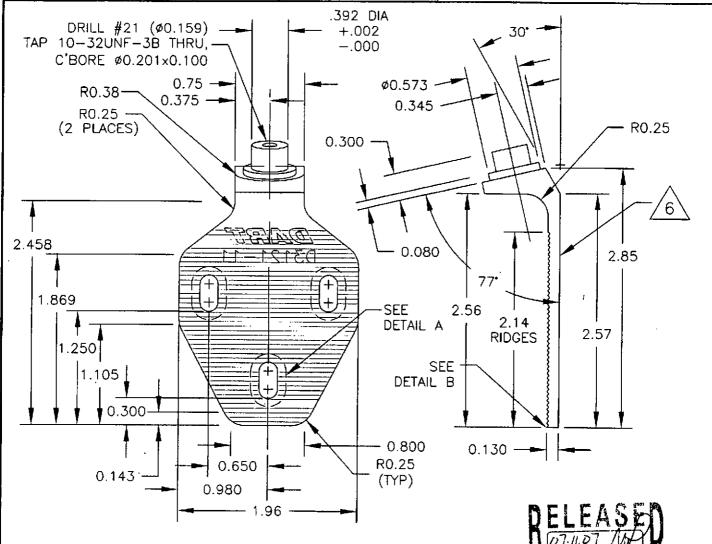
DETAIL B: RIDGE DETAIL PARTIAL SECTION SCALE 1:20



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	CHECKED	APPROVED,	DRAWING NO.	REV. E
	911	- #-	D3121	SHEET 4 OF 10
Ì	DATE		TITLE	SCALE
	07.11.07		BRACKET ASSEMBLY	1:1,



D3121-11 BRACKET

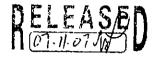
- 1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-8) MIN ULTIMATE TENSILE = 150 ksi MIN YIELD TENSILE = 100 ksi
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 5) ENGRAVE DART P/N & LOGO AS SHOWN
- 6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

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DESIGN 4	DRAWN BY	DART AEROSP HAWKESBURY, ONTARI	
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44	-	D3121	SHEET 5 OF 10
DATE		TITLE	SCALE
07.11.07		BRACKET ASSEMBLY	1:2



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D3121-13

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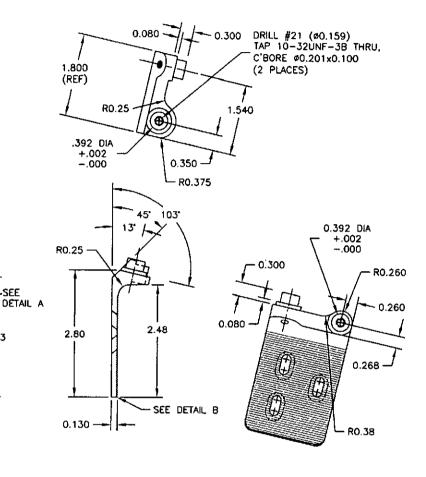
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0.400

1.280

0.960

اب 0.330





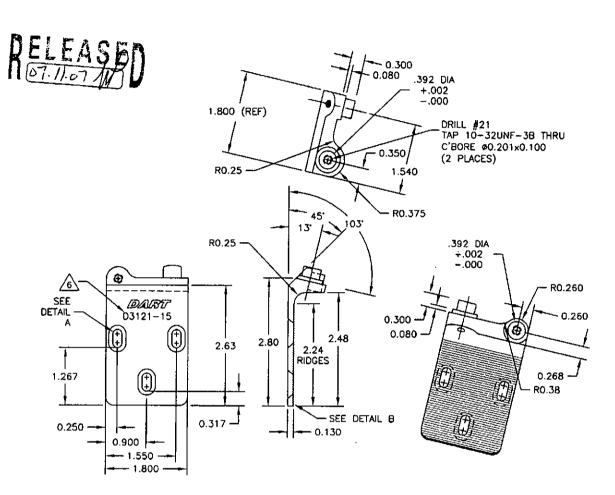
- 1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE STRENGTH = 150 ksi MIN YIELD TENSILE STRENGTH = 100 ksi
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 5) ENGRAVE DART P/N & LOGO AS SHOWN
- 6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

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98	4	D3121	SHEET 6 OF 10
DATE		TITLE	SCALE
07.11.07		BRACKET ASSEMBLY	1:2



D3121-15 BRACKET (SHOWN) D3121-16 BRACKET (OPPOSITE)

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE = 150 ksi

MIN YIELD TENSILE = 100 ksi

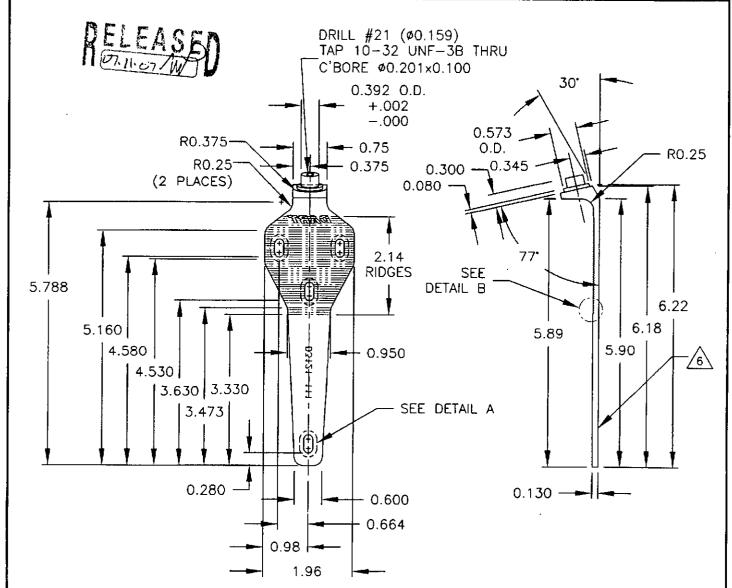
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 5) ENGRAVE DART P/N AND LOGO AS SHOWN
- 6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

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	#	-#	D3121	SHEET 7 OF 10
	DATE	 -	TITLE	SCALE
i	07.11.07		BRACKET ASSEMBLY	1:2



D3121-111 BRACKET

- 1) REPLACES PREMIER P/N B32-23001-11
- 2) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B)

MIN ULTIMATE TENSILE = 150 ksi

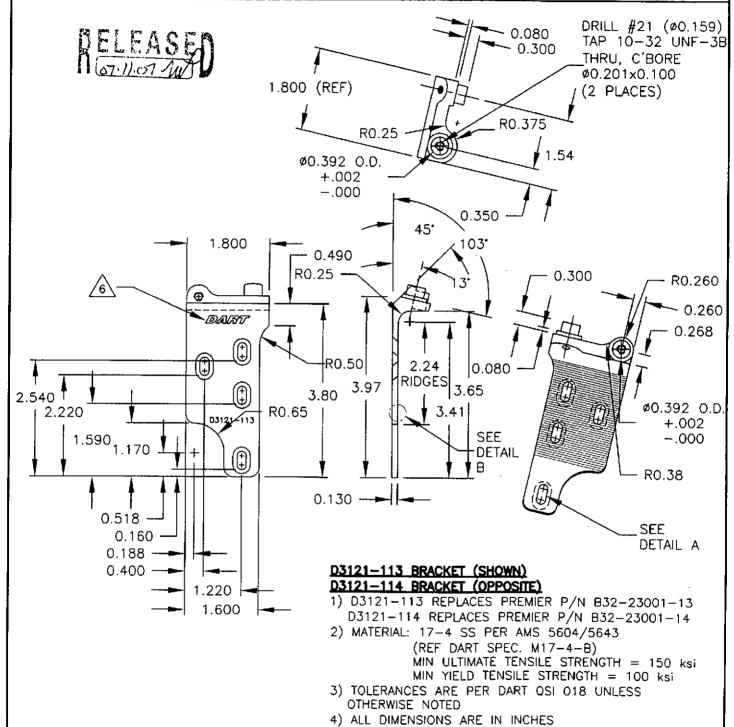
MIN YIELD TENSILE = 100 ksi

- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHEWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 6) ENGRAVE DART P/N & LOGO IN AREAS SHOWN
- 7) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

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	DESIGN	DRAWN BY	DART AEROSP HAWKESBURY, ONTARI	
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:	44	-#	D3121	SHEET 8 OF 10
	DATE		TITLE	SCALE
	07.11.07		BRACKET ASSEMBLY	1:2



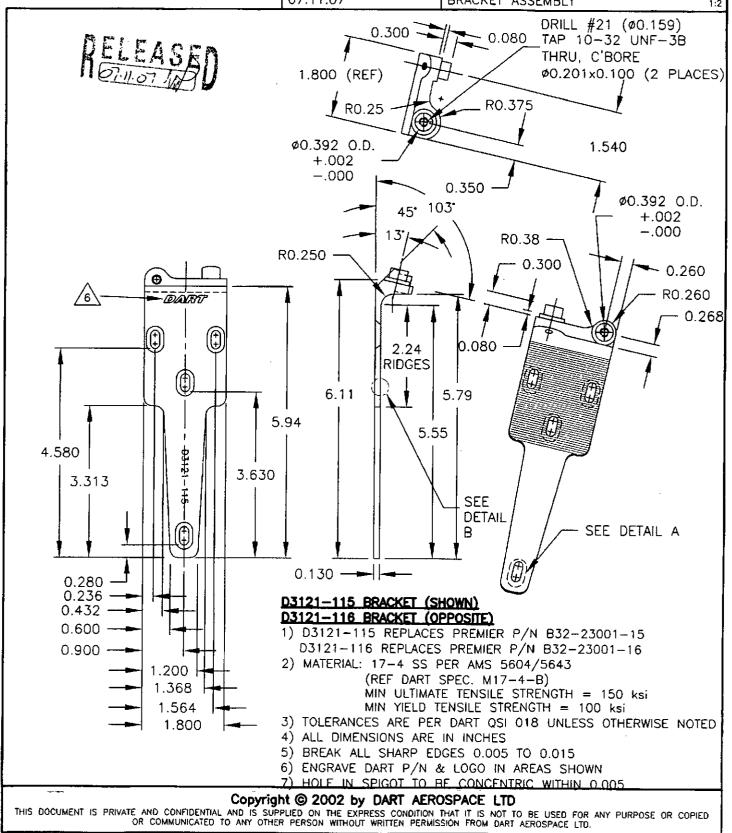
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5) BREAK ALL SHARP EDGES 0.005 TO 0.015 6) ENGRAVE DART P/N & LOGO IN AREAS SHOWN 7) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

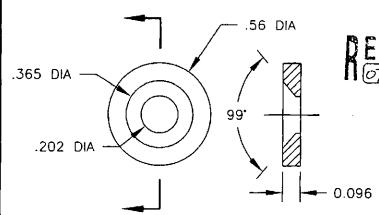
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911		D3121	SHEET 9 OF 10
DATE		TITLE	SCALE
07.11.07		BRACKET ASSEMBLY	1:2

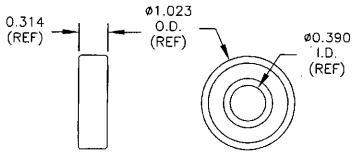


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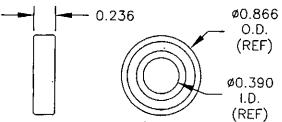
D3121-17 WASHER (SCALE 2:1)

- 1) REPLACES PREMIER P/N B32-23001-17
- 2) MATERIAL: AISI 303 SS ROUND BAR, ANNEALED (REF DART SPEC. M303R),
- 3) TOLERANCES ARE PER DART OSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015



D3121-19 BEARING (SCALE 1:1)

- 1) POSSIBLE SUPPLIER: KING BEARING P/N 6000-2ZJ/EM FAFNIR P/N 9100KDD
- 2) ALL DIMENSIONS ARE IN INCHES



D3121-23 BEARING (SCALE 1:1)

- 1) POSSIBLE SUPPLIER: SKF P/N 61900-2Z OR KML P/N 6900-ZZ
- 2) ALL DIMENSIONS ARE IN INCHES

0.080 0.050 TO 0.060

D3121-21 BOLT (SCALE 1:1)

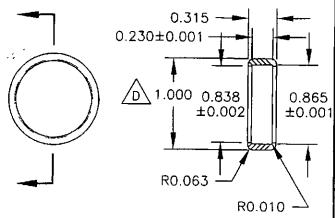
- 1) MATERIAL: AISI 303 SS HEX, ANNEALED (REF DART SPEC. M303H0.500)
- 2) FINISH: NONE

0.375 -

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

TAP 10-32 UNF-3A

- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015

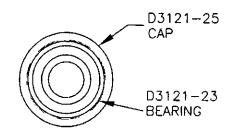


D3121-25 CAP (SCALE 1:1)

1) MATERIAL: DELRIN ROD, Ø1.25

(REF DART SPEC. M-DELRIN-R1.250)

- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES



D3121-241 BEARING ASSEBLY (SCALE 1:1)

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